

FERNALD CLEANUP PROGRESS BRIEFING

NOVEMBER 2001

6:30 p.m.	Opening Remarks	Gary Stegner
6:35 p.m.	Fernald Citizen Advisory Board	Jim Bierer
6:40 p.m.	Technology Programs	Kathi Nickel
6:50 p.m.	Project Updates	
	Waste Pits Remedial Action Project	Dave Lojek
	Soil & Disposal Facility Projects	Rob Janke
	Decontamination & Demolition	John Trygier
	Silos Project	Art Murphy
	Aquifer Restoration/Wastewater Project	Rob Janke
	Waste Generator Services	John Kappa
	Nuclear Materials Disposition	Don Paine

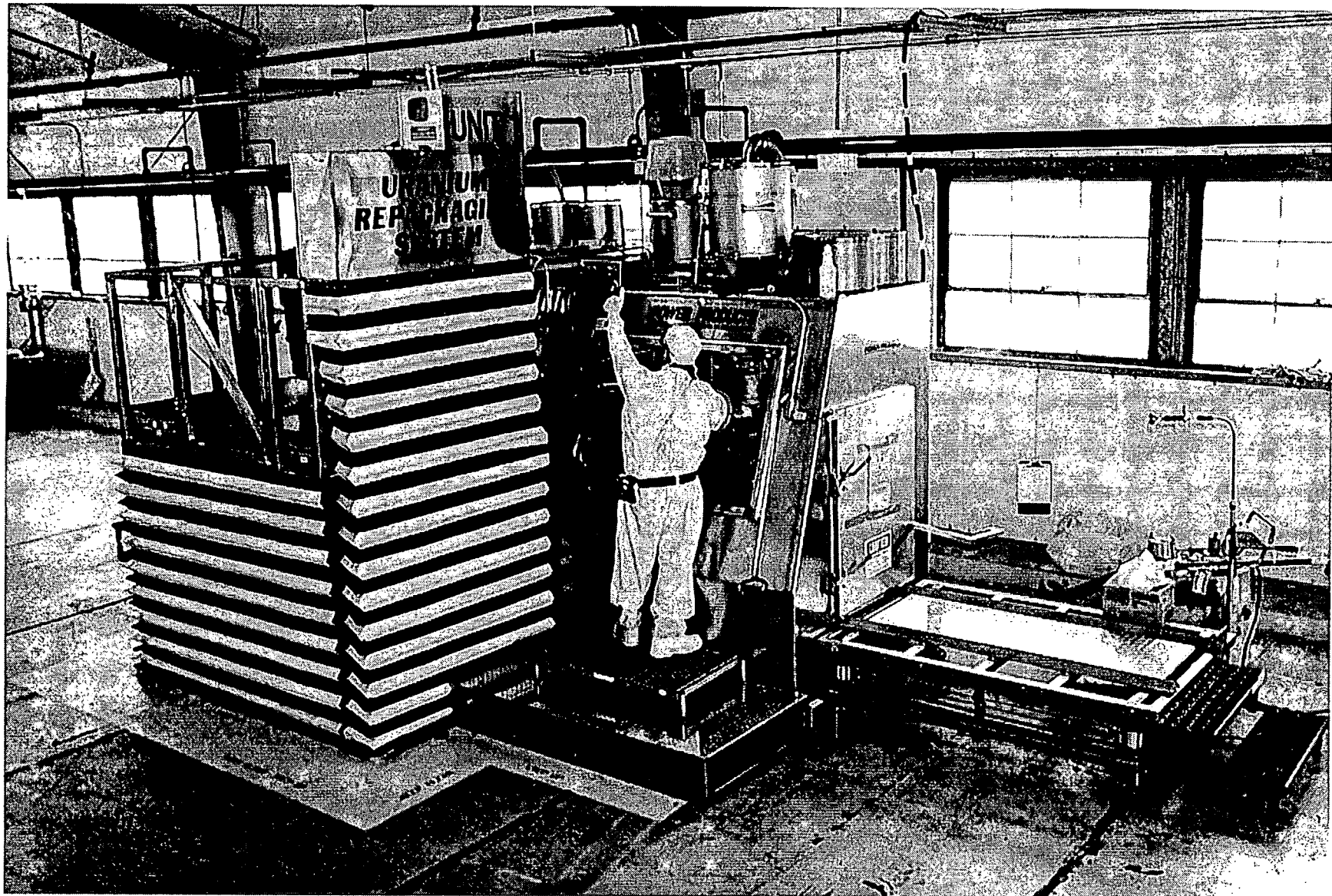
Question and Answer Session

8:30 p.m. Adjourn

UNIVERSAL DEMOLITION PROCESSOR



VACUUM TRANSFER SYSTEM



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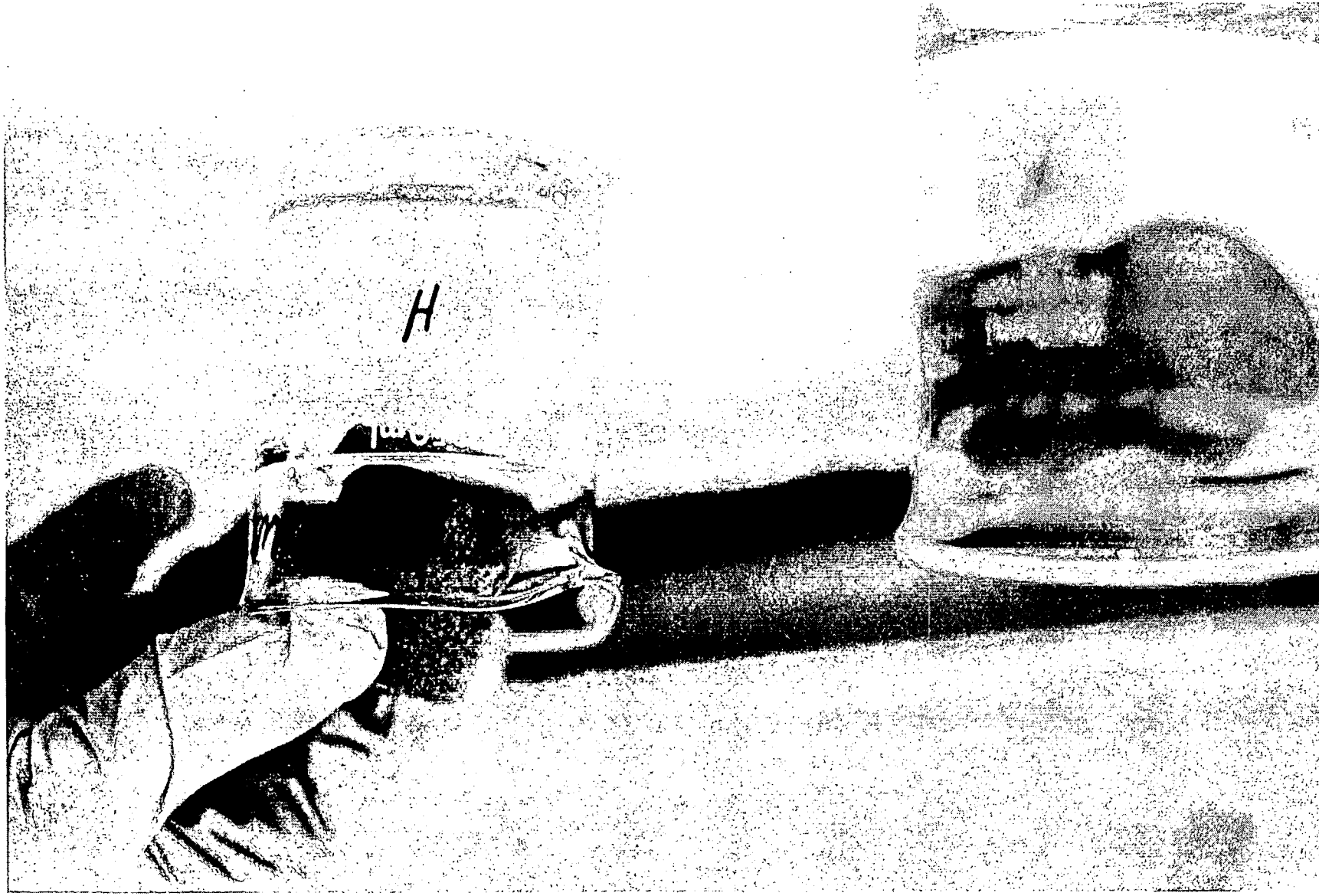
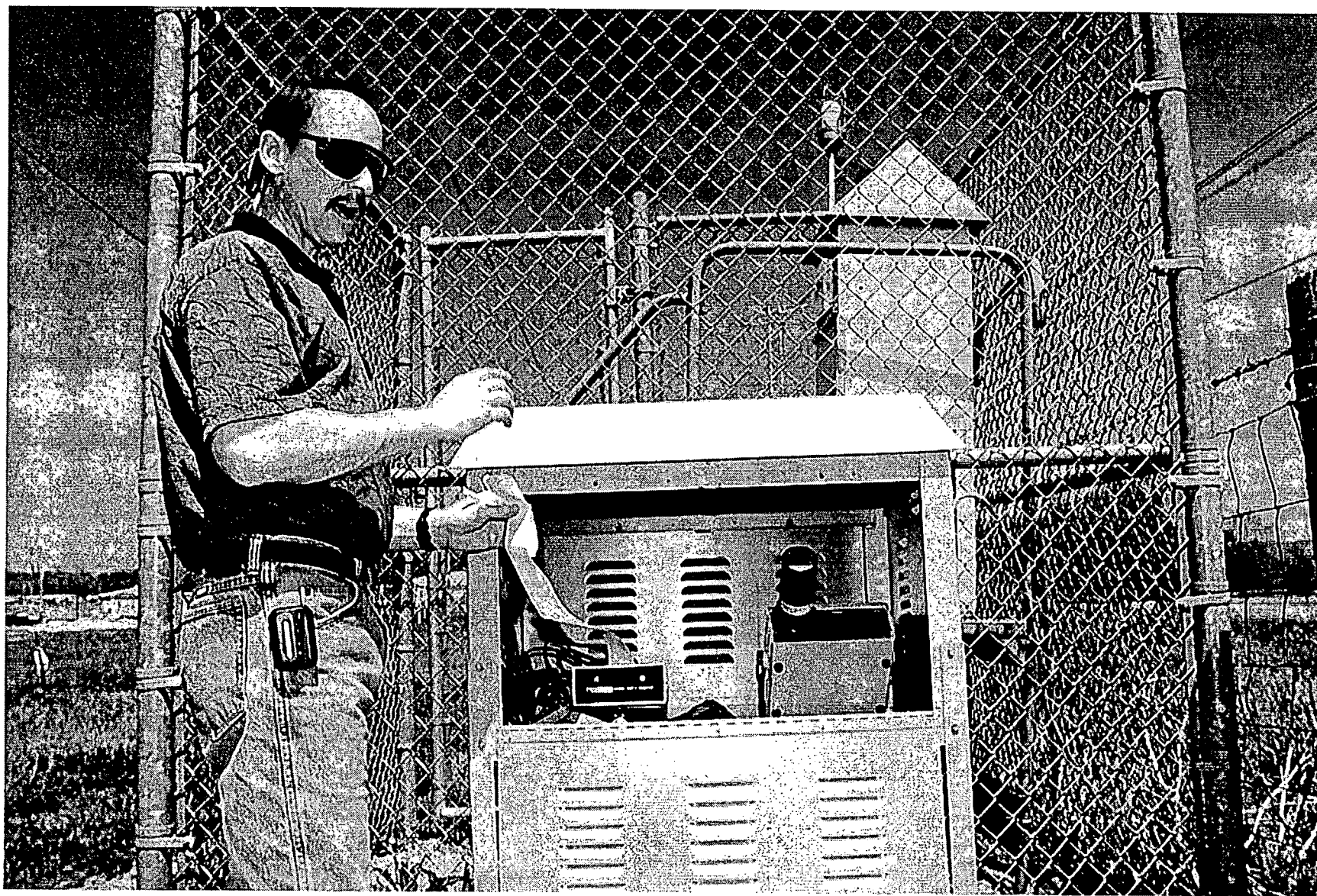


Photo taken January 2001

Graphics # 72748C 11/01 Photo # 7532-D8

WIRELESS RADON MONITORING



Graphics # 7274.8D 11/01 Photo # 7601-D5

Photo taken May 2001

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PRESSURE TRANSDUCER RISER AND PLATE/ROD SETTLEMENT DEVICE



REMOTE PRISMLESS TOTAL SURVEY STATION



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INTEGRATED EXCAVATION CONTROL SYSTEM

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PLANNED DEPLOYMENTS

- Integrated Excavation Control System
- Drum Handling Project
- Lead-Acid Battery Disposal Contract
- Gas Cylinder Disposal Contract
- ASTD Proposals
 - Vacuum Thermal Desorption
 - Mobile Repackaging Facility
 - Nuclear Material Blending Facility

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PROJECT NEWS

WASTE PITS REMEDIAL ACTION PROJECT

- Rail transportation
- Waste pit excavation
- Dryer operations

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PROJECT NEWS

SOIL & DISPOSAL FACILITY

PROJECT

- Continued installation of Cell 1 final cover
- Completed start up of Enhanced Permanent Leachate Transmission System
- Completed a 4.5-acre expansion to the OSDF Material Transfer Area
- Resumed Borrow Area operations; screened over 65,000 cubic yards of clay

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PROJECT NEWS
SOIL & DISPOSAL FACILITY
PROJECT

- Opened cells 2 and 3; placed over 50,000 cubic yards of impacted material
 - Filled 100 percent of Cell 1
 - Filled 60 percent of Cell 2
 - Filled 28 percent of Cell 3
- Completed competitive procurement for Phase IV construction contract
- Signed a Memorandum of Understanding to guide settlement for the natural resource damage law suit

PROJECT NEWS

DECONTAMINATION & DEMOLITION

- Plant 6
 - Removed equipment, interior transite and asbestos contaminated material
 - Initiated interior dismantlement, release cleaning, exterior transite removal and structural demolition
 - Completed 80 percent

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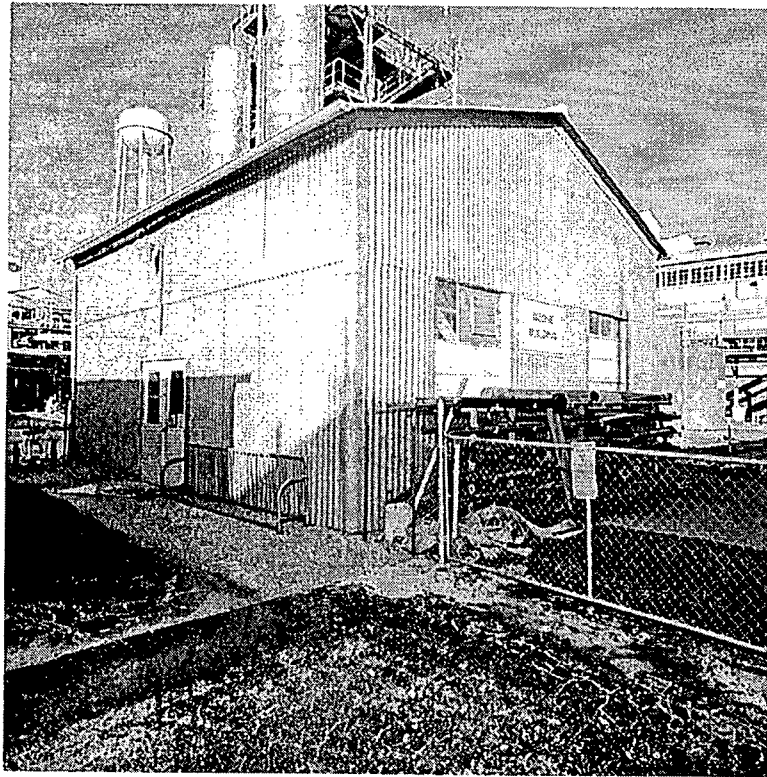
PROJECT NEWS

DECONTAMINATION & DEMOLITION

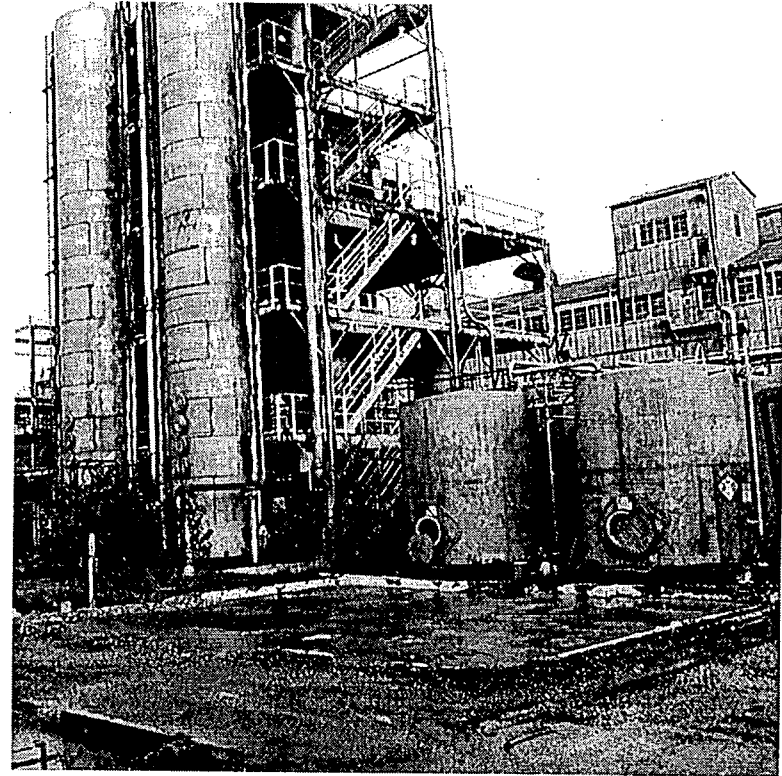
- Multi Complex – Plants 2, 3, 8 and General Sump
 - Awarded Demolition Closure Contract to MACTEC, Inc. in August
 - Issued Notice to Proceed
 - Initiated pre-mobilization and mobilization activities
- Completed Building 62 (Quonset Hut 3), Building 3B (Ozone Building) and Building 3C (NAR Control House)

OZONE BUILDING

Before



After



Photos taken January 1996 and October 2001

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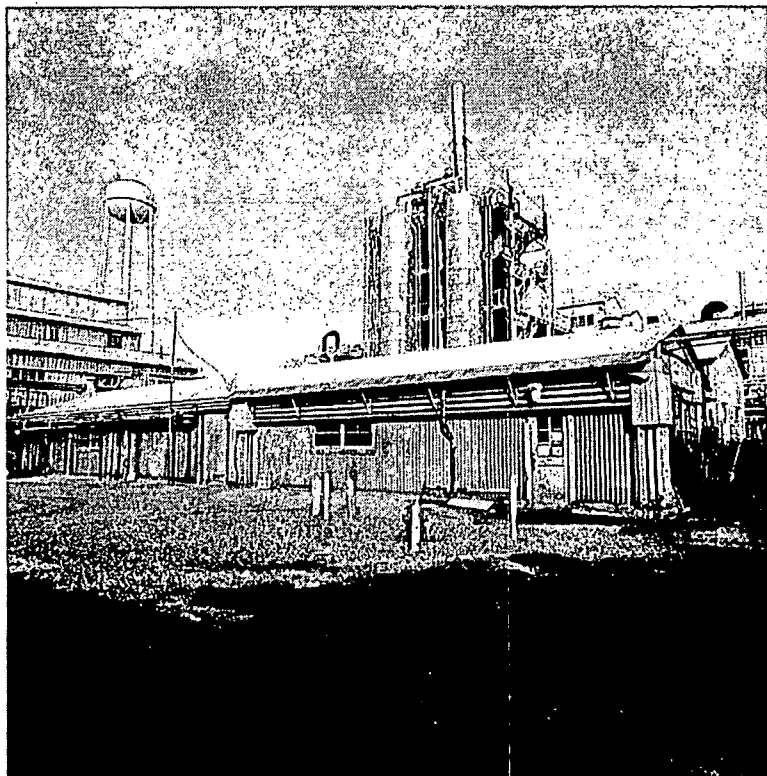
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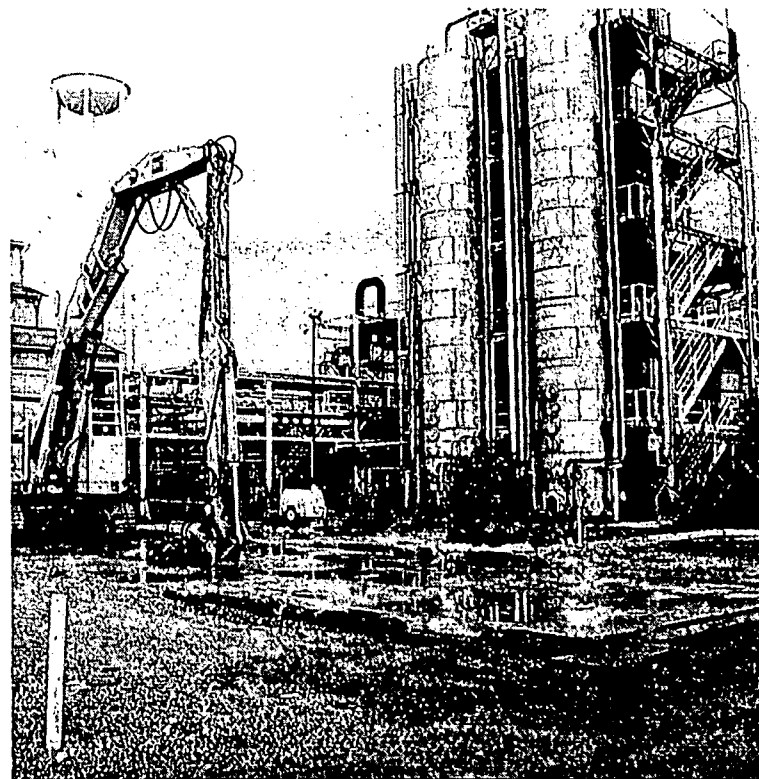
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NITRIC ACID RECOVERY CONTROL HOUSE

Before



After



Photos taken January 1996 and October 2001

PROJECT NEWS

SILOS PROJECT

Accelerated Waste Retrieval (AWR) Project Status

- Continued Due Diligence Review
- Erected Radon Control System stack and set equipment
- Initiated welding tank sections in Transfer Tank Area
- Initiated changes to Foster Wheeler design
- Met with DOE Office of Science and Technology - EM50

PROJECT NEWS

SILOS PROJECT

Silos 1 and 2 Final Remediation Project Status

- Fluor Fernald and Jacobs Engineering Group completed Revision A Conceptual Design Package Review
- Fluor Fernald and Jacobs Engineering Group initiated preliminary design activities
- Fluor Fernald and Dura-Tech Federal Services continue preliminary container design
- Planning CAT formal review at preliminary design phase

PROJECT NEWS

SILOS PROJECT

Silo 3 Project

- Complete Over-the-shoulder Conception Design Review
- Developing Silo Access and Retrieval Strategy
- Reviewing equipment

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PROJECT NEWS

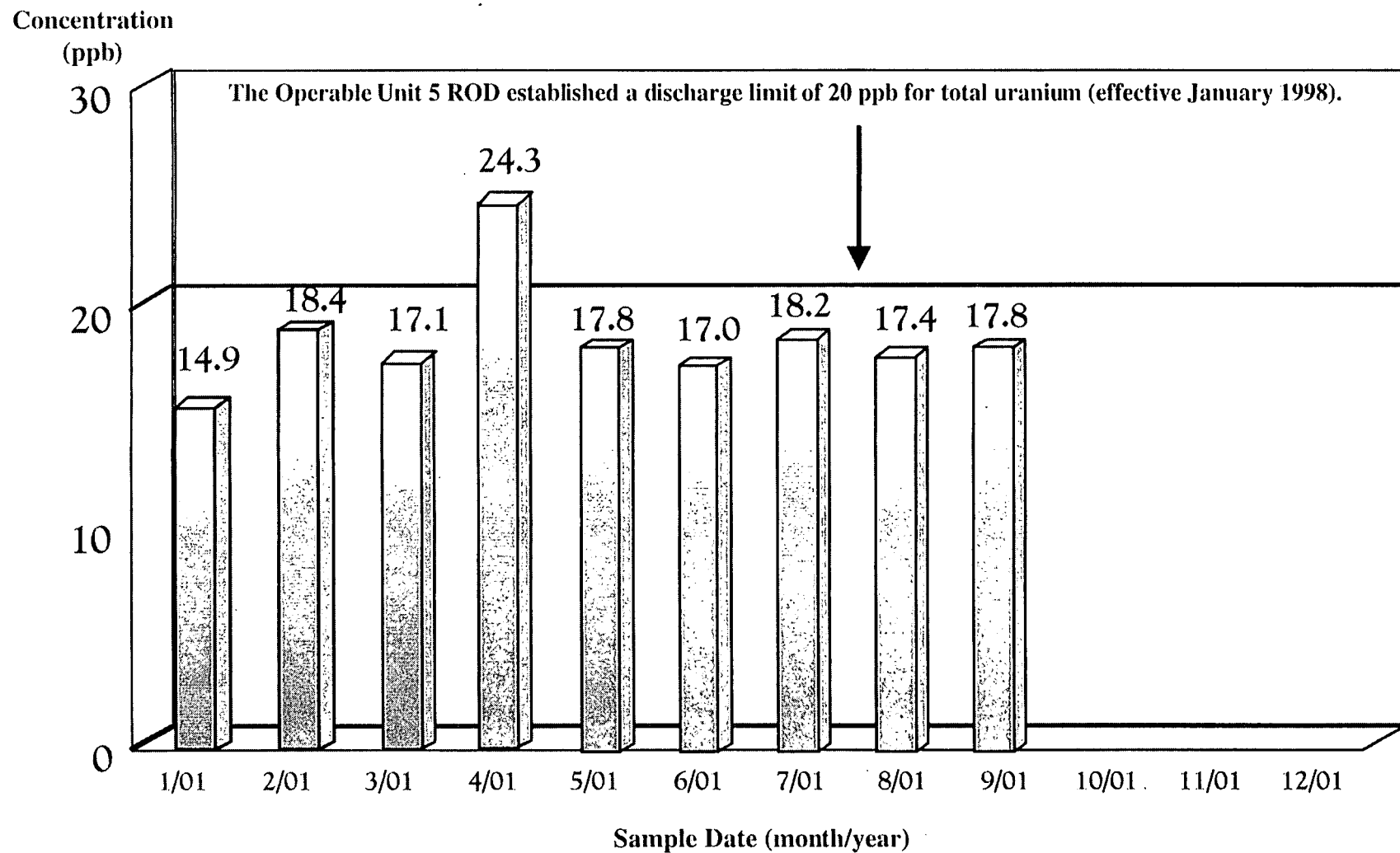
AQUIFER RESTORATION/ WASTEWATER PROJECT

- Nearing completion of the Explanation of Significant Differences to OU5 ROD
 - Completed Public Comment Period and Public hearing
 - Submitted responsiveness Summary to EPA in October
- Developed new rehabilitation treatment chemistry to address residual plugging in re-injection wells
- Continued construction of well houses
- Installed a multi-level groundwater monitoring well
- Completed the investigation and initiated design of additional aquifer restoration wells

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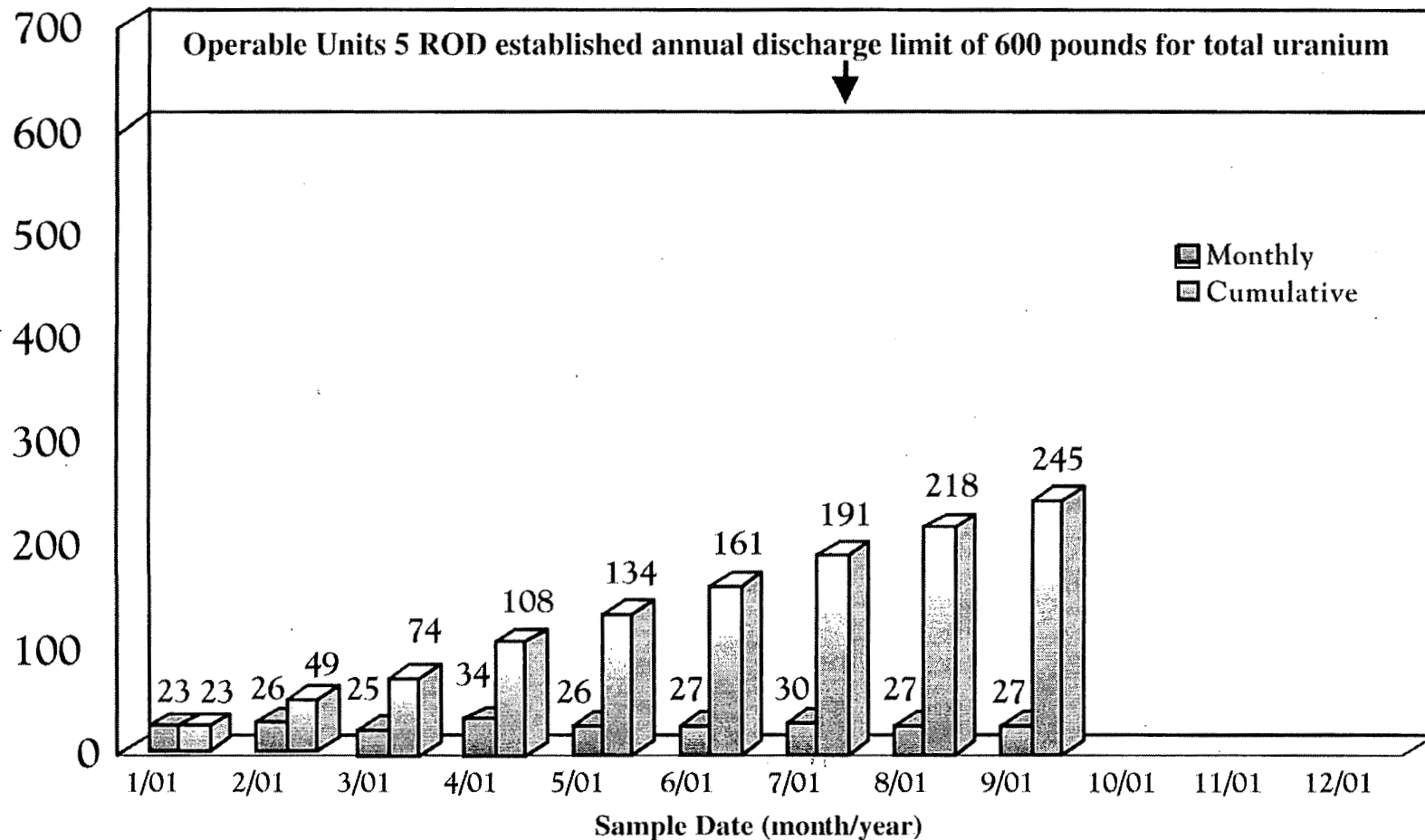
AVERAGE MONTHLY TOTAL URANIUM CONCENTRATION DISCHARGED TO THE GREAT MIAMI RIVER IN 2001

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POUNDS OF URANIUM DISCHARGED TO THE GREAT MIAMI RIVER IN 2001

Weight (pounds)



Note: Sum of monthly discharges may not always agree with cumulative total because of rounding differences.

PROJECT NEWS

WASTE GENERATOR SERVICES

- Low-Level Waste FY01 Accomplishments
 - Shipped 303,000 cubic feet to Nevada Test Site
 - Placed 231,000 cubic feet in Soil Pile 7 for disposal at Envirocare
 - Staged 194,000 cubic feet at the OSDF Materials Transfer Area
 - Dispositioned total of 728,000 cubic feet
- Completed over 3 million hours without a lost time injury

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PROJECT NEWS

WASTE GENERATOR SERVICES

- Waste Treatment and Waste Storage FY01 Accomplishments
 - Shipped 2,800 gallons sulfuric acid for commercial reuse
 - Completed two of two Site Treatment Plan milestones
 - Shipped 17,460 gallons of liquid mixed waste (“Batch 10”) to Toxic Substance Control Act Incinerator (TSCAI)
 - Completed disposal of AWWT legacy wastes
 - Completed bulking of Batch 11 and began Batch 12
 - Sent application for Batch 11 to TSCAI in September
 - Completed initial segregation of legacy chemicals

PROJECT NEWS

NUCLEAR MATERIALS DISPOSITION

- Nuclear product shipments to Portsmouth, OH
 - Shipped 187.7 metric tons uranium (MTU) in FY01
 - Shipped 36.6 MTU in October
 - Shipped total of 3,396.2 MTU to date
 - Accomplished 94 percent of revised goal of 3,624 MTU
- Completed over 300,000 work hours without an Occupational Safety and Health Administration recordable injury

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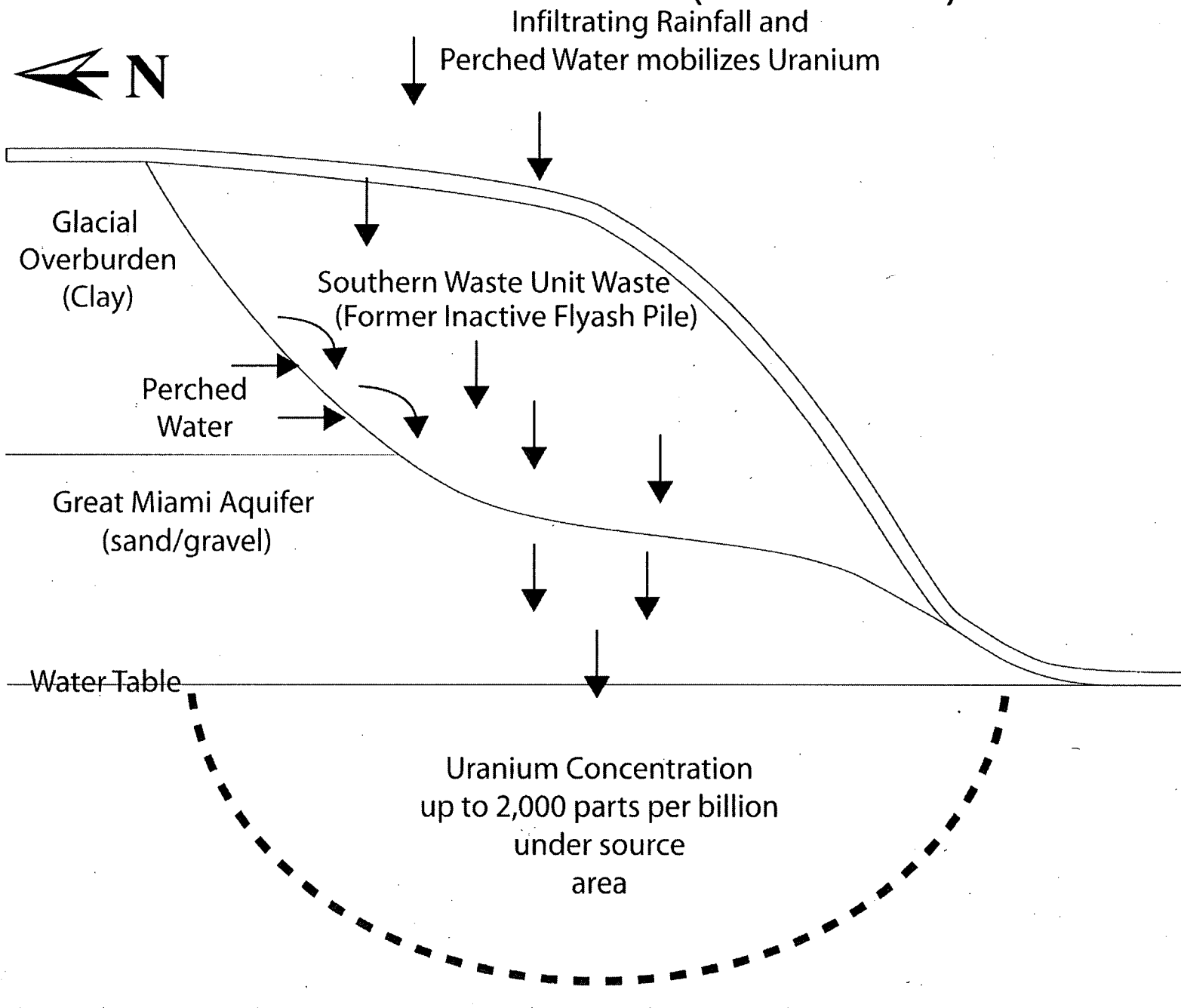
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FERNALD

Environmental Management Project

BEFORE WASTE REMOVAL (1995-1996)

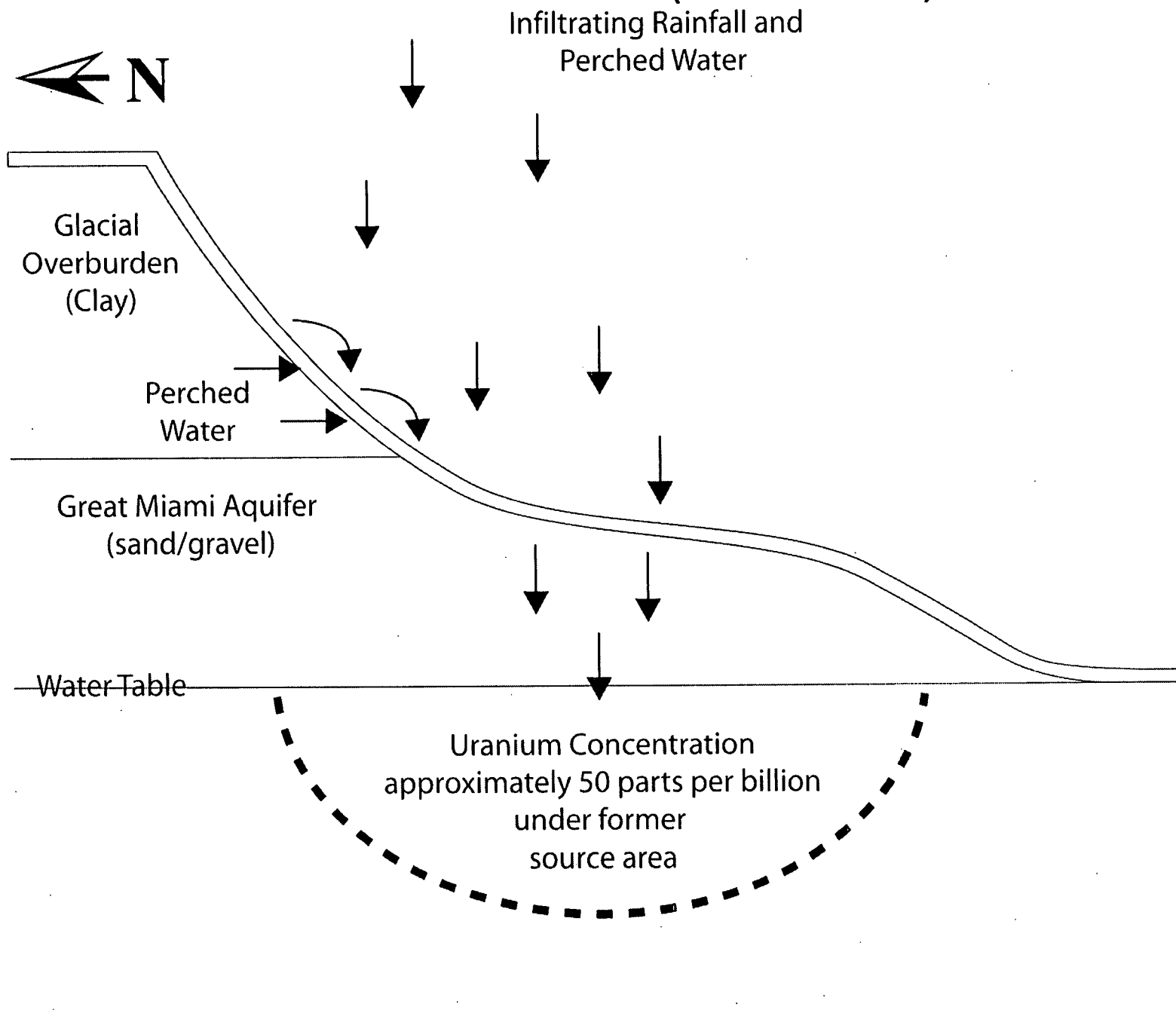




FERNALD

Environmental Management Project

AFTER WASTE REMOVAL (2000-2001)



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DOE Cleanup Progress Briefing

2002 Schedule

Alpha Building

6:30 p.m. – 8:30 p.m.

January – no meeting*February 12* – cleanup projects overview*March* – no meeting*April 9* – Silos monthly topic*May 14* – site tour*June 11* – cleanup projects overview*July* – no meeting*August 13* – Waste Generator Services monthly topic*September* – no meeting*October 8* – cleanup projects overview*November* - no meeting*December 10* – informal review of cleanup projects (displays/exhibits)

TOP TO BOTTOM REVIEW

Stakeholder Survey

The Environmental Management (EM) Top to Bottom Review is a DOE Headquarters mandated effort to gather input regarding how the EM Program is or is not working. Please answer these basic questions.

1. What is working well within the EM Program?

2. What is not working well within the EM Program?

3. What changes or fresh approaches, if implemented, could result in a more efficient EM Program (i.e., completed sooner, at less cost) that are still protective of human health, safety, and the environment?

Please respond by Dec. 1, 2001, in one of the following ways:

- a) Complete hard copy and mail to Gary Stegner,
P. O. Box 538705, Cinti, OH 45253;
- b) Complete electronic copy available on the Fernald Web site
www.fernald.gov under the News Update section and send to Gary Stegner,
gary.stegner@fernald.gov;
- c) Call Gary Stegner with your answers at 513-648-3153; or
- d) Complete the form tonight and turn it in to Gary Stegner.

Thanks for your time.